

Appn No. 10/713,074
Amdt. Dated June 30, 2004
Response to Office action of April 07, 2004

3

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A modular printhead for a digital printer, the modular printhead comprising:
 - a plurality of printhead modules, each printhead module including a printhead chip;
 - a support frame, the support frame including a plurality of module engagement plates provided with an adjustment mechanism;
 - engagement means to engage a for engaging each printhead module with a corresponding module engagement plate of the support frame;
 - a reservoir moulding for storing ink; and
 - at least one ink communication channel provided for each printhead module, the at least one ink communication channel adapted to facilitate ink flow from the reservoir moulding through an the respective module engagement plate and into the respective printhead module;
 - wherein the adjustment mechanism of each module engagement plate is adapted to effect minute adjustments of the position of the corresponding printhead module engaged with the corresponding module engagement plate via said engagement means with respect to the support frame.
2. (Original) The modular printhead according to claim 1, wherein an elastomeric strip is provided between the reservoir moulding and the support frame.
3. (Currently amended) The modular printhead according to claim 1, wherein a at least one of the printhead module modules is provided with at least one ink funnel forming at least part of the ink communication channel and is plugged into the reservoir moulding via at least one corresponding aperture in a the corresponding module engagement plate.
4. (Currently amended) The modular printhead according to claim 3, wherein a at least one of the printhead module modules is provided with four ink funnels and a the corresponding module engagement plate is provided with four of said apertures.

Appln No. 10/713,074
Amdt. Dated June 30, 2004
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4

5. (Currently amended) The modular printhead according to claim 1, wherein the adjustment mechanism includes an input lever fulcrumed against the support frame for acting on a corresponding module engagement plate, the said module engagement plate connected to the support frame by hinged link arms such that the resilient movement of the said module engagement plate is substantially linear.

6. (Currently amended) The modular printhead according to claim 1, wherein each ~~printhead module includes a printhead chip~~ of the printhead modules is bonded to a tape automated bond film supported by at least one moulding.

7. (Original) The modular printhead according to claim 1, wherein operation of the adjustment mechanism effects abutment of adjacent printhead chips.

8. (Currently amended) The modular printhead according to claim 1, wherein the support frame is a metallic chassis and a each module engagement plate is integrally formed with the metal chassis via hinged arms.

9. (Currently amended) The modular printhead according to claim 3, wherein the at least one ink funnel provides said engagement means ~~to engage the~~ for engaging each printhead module with the corresponding module engagement plate.